



112803

13281 U.S. PTO

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## BOX PATENT APPLICATION

The Commissioner of Patents and Trademarks  
Washington, D.C. 20231

03917 U.S. PTO  
10/722537

112803

Sir:

Transmitted herewith for filing is a new utility patent  
application of: **Ming-Hwa LIU et al.**

Title of Invention: **UNIT UTILIZING CURRENT TO CONTROL  
RECIPROCATION FOR PUSHING FLUIDS**

Enclosed are:

A specification and 22 claims.

Seven (7) sheets of formal drawings (Fig. 1-13).

Declaration and Appointment of Attorney

The filing fee has been calculated as shown below:

FOR:	NO. FILED	NO. EXTRA	<u>SMALL</u> ENTITY RATE FEE	<u>LARGE</u> ENTITY RATE FEE
BASIC FEE			<u>\$385.00</u>	<u>\$770.00</u>
TOTAL CLAIMS	22-20 =	<u>2</u>	\$ 9. <u>\$ 18</u>	\$18. <u>      </u>
INDEP CLAIMS	2- 3 =	<u>0</u>	\$ 42. <u>      </u>	\$84. <u>      </u>
<u>      </u> MULTIPLE DEPENDENT CLAIMS			<u>\$140. <u>      </u></u>	<u>\$280. <u>      </u></u>
		TOTAL	<u>\$403.00</u>	<u>\$ <u>      </u></u>

**X** A check in the amount of **\$403.00** to cover the government  
filing fee is enclosed.

**X** The Commissioner is hereby authorized to charge any additional  
fees associated with this communication, including patent  
application filing fees and processing fees under 37 CFR 1.16  
and 37 CFR 1.17 or credit any overpayment to **Deposit Account  
No. 501874.**

Date: November 28, 2003

Bruce H. Troxell

Registration No. 26,592

**TROXELL LAW OFFICE PLLC**  
5205 LEESBURG PIKE, SUITE 1404  
FALLS CHURCH, VIRGINIA 22041  
TELEPHONE: (703) 575-2711  
FACSIMILE: (703) 575-2707